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INDIANAPOLIS RADIO CLUB, INC. .... W9JP

REGULAR MEETINGS: ON the 2nd & 4th Fridays each month  
at 8:00 PM in the UNITED CHRISTIAN  
MISSION BLDG. 222 S. Downey Ave.

Pres. Jim Sugioka W9CKB 235 S. Ritter 356-2839  
Trustee Ron Williams W9JVF 1147 N. Emerson 359-5278  
Editor Bob Osterhous W9PSE 1355 E 56th 255-1522

SEPTEMBER 24th, 1973

INDIANAPOLIS RADIO CLUB, INC.

ISSUE NO 14

PROGRAM MEETING: FRIDAY September 28th 8:00 PM

Mr. PHIL HALLER, W9HPG, Director Central Division ARRL  
The program will consists of two parts, first a Panel discussion  
between Mr. Haller and Club officers, second; an open meeting  
with questions from the floor. ( come & hear about 220 Mhz +++)  
ARRL  
Central  
Director

Nice to see all those familiar faces back to the first fall meeting plus some  
new ones. Program review on reverse side of Doug Horner W8PH from R.L. Drake Co.

DX Ron Williams, W9JVF is planning a DXpedition to Gibraltar for about 10 Day  
in October 1973, operation on phone & CW 20 meters plus other bands. His exploits  
will be written up in a future article in a Curtis Publication Co Magazine. His  
Call will be ZB2 . See Ron and newsletter for latest information.

The W9DX Centruy Club meets Sept 28-29th at the Holiday INN Highland Park, ILL  
Less Bannon, W9ZTD and the INDY DXERS are host this year. Art W9BR is on the  
program with some insights into Antennas and Propagation" Anyone may attend.

RADIO CODE CW Parctice will be resumed next meeting at 7:30 PM in a special  
PRACTICE room whre uninterrupted concentration can be maintained. Bill  
Luth, W9AI will do the code and Art W9BR will give a few short tech.  
sessions on transistors and theory. Encourage all your friends to  
come and participate in these free lessons, a service of your club to the community.

CUT ?? All services are going to obsolete the use of Greenwich Mean Time  
in favor of the more meaningful and international term  
"Coordinated Universal Time". Please use CUT on your QSL cards etc.

AWARDS On Nov 9th, 1973 we shall award some worthy ham appreciation for his  
DINNER services to amateur radio. Start thinking about your nominee.  
You will be given an opportunity to write a letter at a future meeting  
of the club if you do not care to mail-in a letter. A special committee  
will review these letters and come up with their choice is secret  
session, the winner to be announced at the ganquet held Nov 9th.....

Gene VanSickle tells this one on himself. Since he is sometimes addressed as Mr.  
Van Cycle he feels that it is appropriate that he should properly be called Mr.  
Van Hertz. Gene started us off using the metric system by passing out free meter  
sticks.. thanks Gene.

Thanks from The Indy Hamfest officers wrote the IRC a fine letter thanking us  
Indy Hamfest for our excellent contribution made to the success of the past hamfest  
and request that we appoint one of our members to represent IRC  
on their future planning committees. Here is a chance for some to  
put his shoulder to the sheel. ( see Jim or Art our Pres or V. P.)

Howard Severeid W9DPL is in the Methodist Hspital undergoing tests, his room no  
is C-407 A QSL or QSO would do wonders. Our new badges were distrubuted and  
used at the last meeting, thanks to Ron Williams our trustee for a good job.



Fifty Six (56) guests and members attended this meeting to hear all the latest Club News and to enjoy the terrific program on Drake ham Equipment given by Doug Horner, W8PH Manager of Amateur Radio Sales. Our thanks to the R. L. Drake Co. management for making it possible for us to share with them in the new electronic circuit technology going into their current products. Doug brought along and showed circuit details on the following: R-4C receiver, T-4XC transmitter, TR-4C Transceiver and their new 12 channel F, mobile unit, the TR-22C. Their engineers use the Black Box concept, ie, it has to have so many inputs, so many outputs, do so and so and cost so much. The unit is a complete design with its accessories, and stuff is not hung on later as an afterthought to correct a mis-design. All Drake gear is made at as low a cost as possible so that a maximum of hams can enjoy operating efficient equipment. Steel, vinyl and epoxy is used in construction of the metal work instead of polished, hand rubbed, anodized aluminum as in gear costing the ham's \$2800 for comparable equipment. Slide switches are low cost and highperformance units, Doug stated that the receiver R-4C is the best in their product line. It is completely newly designed using sophisticated circuitry of the latest state-of-the-art. Due to our crowded ham bands, high selectivity is vital in a modern efficient receiver and this feature is abundantly built into this model. This is achieved by using the well known theory that selectivity, ie, sharpness of pass band, increases as lower IF frequencies are used. Drake goes to 50 Khz. beating the signal down from the received freq. then both up again as well as down even lower, ie to the audio freq. Bank pass can be tailored to suit the op's ear and needs. High selectivity get rid of garbage on RTTY assuring greater signal receiving reliability. Another very effective circuit is the noise blanker. A lot of these devices are obly effective in impulse noise but the Drake circuit really is beautifully effective and available as an accessory. It uses 15 Xtals, has copper plated chassis and heavy irridited cadmium overlgy. Doug stated that sets coming from use at sea and near tropics are really corroded unless this treatment is used. Another feature is the quick and easy from tuning dial calibration, one simply holds the small knob on zero beat and pushes the large marked dial behing it to the proper calibration point, only takes one hand and seconds to do. The T-4XC has no connections or controls on it sides so it can be crowded on either side at the op position. All controls are either in front or on the rear apron. You get 25Khz. calibration points and the dial holds its accuracy to less than 1/4 Khz from the indicated value. Various change-over relays are now plug in and you don't have to tear up the set or send it back to the plant for a realy. Drake has a new TR-5 in engineering, solid state but it costs too much and dosen't work any better than the current model so will not go into production. Thanks Doug for the great program and please come back soon and give a sequel.....

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FOR SALE: 1 ea following Call Charles Campbell W9UEM 862-4745

Mars SWR Meter	7.50	Lafayette Tape Recorder & Mic	
Weller 100 Watt Solder Gun	3.50	with 3 7" tapes	10.00
Drake TV-52-40 LP Trans Filt	3.00	Set Monarch Stereo Headphones	3.00
EICO 720 Transmitter 10-80	25.00	Set Brandes headphones less cord	??
(with 11 Crystals)		BC-221 Freq Meter with orig. cal	
EICO 730 Modulator	25.00	book & AC Pwr Supply	.....20.00
AMECO antenna Pre-amp	1.00		

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Vernon Miller WN9KXL with the Southport H.S. Radio Club WB9LPH ask for donations of equipment, wire, parts etc working or not working call his at 786-1842 or Doug at 787-4993

Thanks to Gary Hughes K9LNX and others for talking in our guest Doug Horner W8PH, also to Bill W9BUQ for putting n ws of programs on the various nets.....